



# Physics 1 (Advanced Sciences)

By David Sang, Keith Gibbs, Robert Hutchings

Cambridge University Press, 2000. Softcover. Book Condition: New. Physics 1 has been developed specifically for the new specifications for AS level for teaching from September 2000. It is endorsed by OCR, and covers the first-year core material of Advanced Level physics. In conjunction with the other texts in the Cambridge Advanced Sciences series, it provides complete coverage of the OCR physics specification A. Self-assessment questions (with answers) and exam-style end-of-chapter exercises offer excellent opportunities for independent study. Chapter introductions and summaries provide the basis for structured revision. Full-colour illustration and student-friendly design make the science accessible to all. Physics 1 covers all of the first-year core material for Advanced Level physics. Contents  
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 1 Kinematics - describing motion  
 2 Accelerated motion  
 3 Dynamics - explaining motion  
 4 Working with vectors  
 5 Forces, moments and pressure  
 6 Work, energy and power  
 7 Forces, vehicles and safety  
 8 Deforming solids  
 ELECTRONS AND PHOTONS  
 9 Electric current  
 10 Resistance and resistivity  
 11 Voltage, energy and power  
 12 DC circuits  
 13 Practical circuits  
 14 Kirchhoff's laws  
 15 Electromagnetism  
 16 Quantum physics  
 17 Spectra  
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